



8/1/2016

Brookings Cty. Sheriff
315 7th Ave
Brookings, SD
57006
RE: Planned Maintenance Proposal
Attn: Marty Stanwick

Cummins Sales and Service is a premier engine and power generation systems provider committed to delivering fast and proven solutions to our customers. We are pleased to offer you a Planned Maintenance Proposal for your review and approval. Due to the critical nature of your standby power system, this Agreement was developed based on your specific needs and equipment to ensure maximum performance and reliability.

Benefits of Planned Maintenance

- Improves system reliability.
- Maintenance performed by certified technicians specifically trained in power generation.
- PM customers receive preferred service for unscheduled emergency repairs.
- Creation of a service record for customer equipment.
- Additional maintenance recommendations documented at that time.
- Scheduling managed by Cummins Sales and Service to ensure timely maintenance intervals.
- Eliminates administrative burden, covers equipment from multiple vendors.

Please sign, date and return the enclosed Agreement to our office along with any purchase documentation necessary so we can tend to your servicing needs. Planned Maintenance Agreements are "auto-renewed" annually prior to the end of your agreement. Should you have any questions or require additional information on this or any other subject relating to your equipment, please feel free to contact me. We look forward to the opportunity to earn your trust and business.

Sincerely,

Dave Kamrowski

Dave Kamrowski
Planned Maintenance Sales
Office: (701) 200-1740
Cell:
Email: dave.kamrowski@cummins.com



Cummins Sales and Service
701 E. 54th Street N.
Sioux Falls, SD 57104
Phone: (605) 336-1715
Fax: (605) 336-1748

PLANNED EQUIPMENT MAINTENANCE AGREEMENT

Customer Address	Customer Contact	Quote Information
Brookings Cty. Sheriff 315 7th Ave Brookings, SD 57006 Customer #: 328530 Payment Type: Pay As You Go	Name: Marty Stanwick Phone: (605) 690-5620 Cell: Fax: E-mail: sheriffmarty@brookingscountysd.gov	Quote Date: 8/1/2016 Quote Expires: 9/30/2016 Quote ID: QT-50 Quoted By: Dave Kamrowski Quote Term: 3 Year

Site Name: BROOKINGS CTY. SHERIFF

(315 7TH AVE BROOKINGS SD 57006)

Unit Name: 250 CUMMINS
Make: Cummins
Model: 250 DQDAA
S/N: E060928240
Size: 250kW
ATS Qty: 2
Notes:

Year	Month of 1st Service	Service Type	Qty	Sell Price	Extended Price
1	Unknown	Inspection	1	\$413.61	\$413.61
1	Unknown	Full Service	1	\$797.75	\$797.75
Year 1 Total: \$1,211.36					
2	Unknown	Inspection	1	\$423.13	\$423.13
2	Unknown	Full Service	1	\$822.10	\$822.10
Year 2 Total: \$1,245.23					
3	Unknown	Inspection	1	\$432.93	\$432.93
3	Unknown	Full Service	1	\$847.35	\$847.35
Year 3 Total: \$1,280.28					

Total Agreement Amount:* **\$3,736.88**

**Quote does not include applicable taxes*



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701 E. 54th Street N.
Sioux Falls, SD 57104
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PLANNED EQUIPMENT MAINTENANCE AGREEMENT

Customer Address	Customer Contact	Quote Information
Brookings Cty. Sheriff 315 7th Ave Brookings, SD 57006	Name: Marty Stanwick Phone: (605) 690-5620 Cell: Fax:	Quote Date: 8/1/2016 Quote Expires: 9/30/2016 Quote ID: QT-50 Quoted By: Dave Kamrowski Quote Term: 3 Year
Customer #: 328530 Payment Type: Pay As You Go	E-mail: sheriffmarty@brookingscountysd.gov	

Total Agreement Amount:*

\$3,736.88

**Quote does not include applicable taxes*

Comment:

Total Agreement Amount Does Not Include Applicable Taxes. Please call (402) 551-7678 for invoice total prior to sending payment.

Please return signed agreement to:

10088 South 136th Street

Omaha, NE

68138

p: (402) 551-7678

fax: (402) 551-1952

Seller hereby agrees to sell to Buyer, and Buyer hereby agrees to buy from Seller, the foregoing products/services upon the terms and conditions set forth in the "Planned Equipment Maintenance Agreement Terms and Conditions" attached hereto, which are hereby incorporated herein by reference.

Customer Approval (Quote ID QT-50)

Cummins Approval

Signature: _____ Signature: _____

Date: _____ Date: _____

Please return this sheet only.

CUMMINS CENTRAL POWER
PLANNED MAINTENANCE TERMS & CONDITIONS

This agreement is by and between Cummins Central Power, LLC (CCP) and the above listed customer (CUSTOMER) at the listed location for the purpose of inspecting / servicing CUSTOMER's emergency standby generating set(s) and associated Equipment as listed.

1. Term: The term of this Agreement shall commence on the Agreement Effective Date (Customer Approval Date) set forth below and will automatically renew on an annual basis, with an annual increase of ____ %. Either Party may terminate this agreement for any reason by giving thirty (30) days written notice to the other party with or without cause.
2. Scope of Service:
 - A) During the term of this Agreement, CCP agrees to inspect / service the Equipment listed, during the CUSTOMER's regular business hours, on an annual basis. The scope of each such inspection shall include those services set forth on Exhibit A (Planned Maintenance Checklist) attached and hereby made part of this agreement.
 - B) CCP shall determine the preventative maintenance services required for the Equipment in compliance with manufacturer's specified recommendations. CCP shall make all necessary adjustments and repairs to keep the Equipment in good operating condition in accordance with Exhibit A. CCP's representative shall have full access to Equipment in order to effect the necessary adjustments and repairs. Maintenance parts furnished hereunder will be new or essentially equivalent to new in performance when furnished for use in the Equipment.
 - C) Maintenance service shall not include (i) electrical work external to the Equipment; (ii) maintenance of accessories, alterations, attachments or other devices not listed in Exhibit A; (iii) repair of Equipment damaged by accident or misuse; or (iv) any service covered by warranty provided by manufacturers of the Equipment. It is understood this Agreement does not include any parts, lubricants, or coolant solutions, other than items listed in Exhibit A. Any parts and labor other than that specifically mentioned in Exhibit A will be billed to the CUSTOMER at regular rates less ten percent (10%). Customer must approve however all parts and labor charges prior to repair being made.
 - D) Additional parts or service between regularly scheduled inspections shall be provided to the CUSTOMER, upon the CUSTOMER's request, at CCP the prevailing labor rates and terms, less ten percent (10%). Charges for such additional service shall include the cost of reasonable travel expenses from the nearest CCP office.
3. Fees and Payment: The customer shall pay to CCP all inspection / service fees within 30 days of annual billing for same. Inspection and service fees listed will be reviewed and increased by ____% on each anniversary of the Agreement Effective Date. All amounts due to CCP by CUSTOMER for additional charges or services shall be payable within 30 days of invoice date.
4. Taxes: The CUSTOMER will be responsible for all applicable taxes and permits, local, state, federal or otherwise, however designated, which are imposed by reason of the services rendered or parts supplied provided pursuant to the Agreement.
5. Conditions of Service:
 - A) This Agreement is contingent upon proper use of the Equipment and does not cover Equipment which has been modified or which has been subjected to unusual physical or electrical stress. CCP shall not be responsible to the CUSTOMER for loss of use of the Equipment or for any other liabilities arising from alterations, additions, adjustments or repairs which has been made to the Equipment other than by authorized representatives of CCP. If, in the opinion of CCP, any such alterations, additions, adjustment or repairs adversely affect CCP's ability to render maintenance service to the Equipment CCP reserves the right to terminate the Agreement upon thirty (30) days prior written notice to the CUSTOMER.
 - B) The CUSTOMER shall test the Equipment on a monthly basis, during the term of this Agreement and shall notify CCP promptly by telephone, confirmed in writing, of any Equipment failure or default and shall give CCP access to the Equipment as may be necessary to diagnose and repair any such failure or default.
6. Disclaimer of Warranty: CCP MAKES AND THE CUSTOMER RECEIVES NO WARRANTY, EXPRESS OR IMPLIED AND THERE IS EXPRESSLY EXCLUDED ALL WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE CUSTOMER SHALL RECEIVE ONLY REPRESENTATIONS AND WARRANTY OF THE MANUFACTURE(S) WITH RESPECT TO ANY NEW PARTS INSTALLED IN THE EQUIPMENT BY CCP.
7. Liability of CCP: CCP shall not be liable for any loss or injury to CUSTOMER, CUSTOMER's personnel, agents and employees, assigns, customers, patients or contractors for loss or damage to person or property arising from the use of the Equipment inspected or serviced by CCP unless such injury or damage is a direct result of CCP's malfeasance, misfeasance, or negligence.

Power Generation System Planned Maintenance



INSPECTION

MONTHLY, QUARTERLY, OR ONE-TIME PER YEAR

Battery & Battery Charger System

- Check battery charger functions
- Cable connections, termination cleanliness and security
- Check electrolyte level, vent caps of all cells in the starting batteries
- Battery conductance test

Fuel System

- Inspect main tank / day tank fuel level
- Inspect day tank controls and pumps. Test operate day tank controls (where available)
- Inspect all fuel hoses, clamps, pipes, components, and fittings
- Inspect governor linkage
- Visually inspect rupture / containment basin
- Water in Fuel Test - Sub-base, day tanks
- Optional - fuel sample for laboratory analysis*

Engine Cooling System

- Inspect all hoses and clamps for leaks, coolant level, and condition
- Inspect radiator cap and filler neck condition
- Inspect drive belts, observe alignment and deflection
- Observe coolant heater operations
- Utilize DCA test strip to record coolant properties
- Inspect radiator surfaces, shrouds, and barriers, for obstruction
- Visually inspect low temperature after cooler coolant
- Optional - coolant sampling*

Engine & Lubrication System

- Inspect lubrication system (visually check oil level)
- Inspect crankcase ventilation system
- Inspect spark ignited ignition system
- Oil sample for laboratory analysis when recommended

Intake / Exhaust System

- Inspect air cleaner element and entire intake system
- Inspect exhaust system and rain cap
- Inspect louver operations

Generator Controls & Power Connections

- Visually inspect all engine mounted wiring, senders, and devices
- Visually inspect all control mounted components and wiring
- Lamp test all lights and indicators
- Visually inspect breaker and power connections
- Manually operate generator main breaker(s) open and closed**

**NOTE: Will not exercise breakers or contactors on a paralleling device

Generator Operations

- Start and observe generator and equipment operations
- Verify engine and generator safeties for proper operation
- System test with or without load

Automatic Transfer Switch

Paralleling Switchgear, Bypass Switchgear, Manual Transfer Switches

- Visually inspect all power and control wiring
- Visually inspect switch mechanism and enclosure
- Visually inspect controls and time delays settings
- Verify function of exercise clock

FULL SERVICE INCLUDES INSPECTION

Operational & Functional Review of Generator Critical Components

- Inspect engine cooling fan & fan drives for excessive wear or shaft wobble
- Check all pulleys, belt tensioners, slack adjusters & idler pulleys for travel, wear & overall condition
- Inspect / lubricate drive bearings, gear or belt drives, and other shaft connecting hardware

Lubrication Oil & Filtration Service

- Change engine lubrication oil
- Change primary lubrication and bypass filters
- Change fuel filters
- Post lube services operations of genset (unloaded) at rated temperature

*Additional Charge

Any additional repairs, parts, or service which are required will be brought to the attention of the owner. Repairs will only be made after proper authorization from the owner is given to Cummins. Any additional repairs, maintenance or service performed by Cummins or a Planned Maintenance Agreement holder will be at current Cummins labor rates.

**NPower****PLANNED MAINTENANCE CHECKLIST****Standard Inspection**

24 Hour Service

800-642-0085

UNIT NAME _____

DATE OF SERVICE _____

FIELD AWARE JOB NUMBER _____

UNIT HOURS _____

PASS	N/A	Needs Attn
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A. PRE-OPERATIONAL CHECKS

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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B. BATTERIES AND BATTERY CHARGER

INSTALL DATE _____

Float volts _____ Current _____

Record highest and lowest specific gravity measured.

High _____ Low _____

Battery load test

TEST CCA _____ Ambient Temperature _____

Battery 1: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 2: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 3: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 4: Float Volts _____ Hold Volts _____ Pass/ Fail _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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C. ENGINE COOLING SYSTEM

LAST COOLANT FILL DATE _____

Jacket water temp _____ Deg F Cooling System Pressure _____ PSI

Coolant properties

Freeze Point _____ DCA Concentration _____

PH Level _____ Sulfates _____ Chlorides _____ Appearance _____

LTA coolant

Freeze Point _____ PH Level _____ Appearance _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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D. GENSET CONTROLS AND ACCESSORIES

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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E. MAIN ALTERNATOR

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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F. FUEL SYSTEM

Check main tank fuel level _____ Secondary main tank level _____

Check day tank fuel level _____

Check fuel pressure _____ Running _____ Loaded _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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G. INTAKE AND EXHAUST SYSTEMS

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

H. ENGINE AND LUBRICATION SYSTEM

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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I. GENERATOR OPERATIONS



NPower

PLANNED MAINTENANCE CHECKLIST

Standard Inspection

PASS	N/A	Needs Attn
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

K. TRANSFER SWITCH/ SWITCHGEAR

Measure and record utility/ source one voltage _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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L. SYSTEM OPERATIONAL TESTS

Genset test without load, load test not permitted by: _____

Record engine and load data.

Oil Pressure _____

Oil Temperature _____

Coolant Temp _____

Battery Voltage _____

Engine Speed _____

Exhaust Temp _____

Coolant Press _____

Blowby Flow _____

LTA Temp _____

Genset Freq/Hz _____

Load PF _____

Genset Voltage: A _____

B _____

C _____

Current: A _____

B _____

C _____

Load KW _____ Load KVA _____ Load KVAR _____

Duration of system test _____ Minutes

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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M. SITE PRE-DEPARTURE VERIFICATION

Comments:

Standard Inspection

Below is the scope of work performed during the above planned maintenance checklist. Any additional repairs, parts, or service which are required will be brought to the attention of the owner. Repairs will only be made after proper authorization from the owner is given to Cummins NPower, LLC. Any additional repairs, maintenance or service performed by Cummins NPower, LLC for a Planned Maintenance Agreement holder will be at Cummins NPower LLC labor rates.

A. PRE-OPERATIONAL CHECKS

1. All equipment automated, no alarms or faults on controls
2. Check fluid levels and observe for leaks. Oil, Fuel and Coolant
3. Verify battery chargers, component heaters and accessories are operational
4. Safety Audit, Lock Out/ Tag Out Procedures Followed, Safe Service Operations

B. BATTERIES AND BATTERY CHARGER

1. Check battery charger functions and record voltage and current
2. Cable connections, termination cleanliness and security
3. Check electrolyte level, vent caps and specific gravity of all cells in the starting battery system
- 3.a Record highest and lowest specific gravity measured.
4. Perform Battery load test on all starting batteries and record cca, ambient temperature, float volts, hold volts, and if the battery passed or failed testing.

C. ENGINE COOLING SYSTEM

1. Inspect all hoses and clamps for leaks and condition
2. Inspect radiator cap and filler neck condition
3. Inspect drive belts, observe alignment and deflection
4. Confirm proper coolant heater operation and record jacket water temperature
5. Verify Coolant properties and record the freeze point, DCA concentration, PH level, Sulfates, Chlorides, and appearance.
6. Inspect radiator surfaces, shrouds and barriers for obstruction, build up and mechanical damages
7. Verify LTA coolant properties and record the freeze point, PH level, and appearance. (if applicable)

8. Optional coolant sampling

D. GENSET CONTROLS AND ACCESSORIES

1. Check all engine mounted wiring, senders and devices
2. Check all control mounted components and wiring
3. Check all connecting plugs
4. Check all accessory components and wiring
5. Function test lights and indicators

E. MAIN ALTERNATOR

1. Remove covers and inspect terminals, wiring and components
2. Visually inspect main rotor and stator
3. Visually inspect exciter components and PMG (where equipped)
4. Manually operate generator main breaker(s) open and closed

F. FUEL SYSTEM

1. Check main and secondary (if applicable) tank fuel and record levels
2. Check day tank fuel and record level (if applicable)
3. Check daytank controls and pumps. Test operate daytank controls where available (if applicable)
4. Check all fuel hose, clamps, pipes, components and fittings
5. Check fuel pressure and record readings running and loaded
6. Check governor linkage (if applicable)

7. Water in Fuel Test - Sub-base, day tanks or as noted on agreement

8. Rupture/ Containment Basin Inspection (if applicable)

G. INTAKE AND EXHAUST SYSTEMS

1. Check air cleaner element
2. Check intake system
3. Check exhaust system and raincap
4. Check louver operations (if applicable)

H. ENGINE AND LUBRICATION SYSTEM

1. Check lubrication system
2. Check crankcase ventilation system
3. Check spark ignited ignition system (if applicable)

I. GENERATOR OPERATIONS

1. Start and observe generator and equipment operations
2. Verify engine and generator safeties as applicable

K. TRANSFER SWITCH/ SWITCHGEAR

1. Inspect all power and control wiring
2. Inspect switch mechanism and enclosure
3. Inspect controls and time delay settings
4. Check exercise clock
5. Verify remote start control operation
6. Measure and record utility/ source one voltage

L. SYSTEM OPERATIONAL TESTS

1. Genset test with or without load, if not allowed document decision maker
2. During test without load record engine oil pressure, oil temperature, coolant temperature, battery voltage, engine speed, exhaust temperature, coolant pressure, blowby flow, LTA temperature. Also record generator voltage on all phases, frequency, current on all phases, load PF, load KW, Load KVA, and Load KVAR.
3. Record duration of system test in minutes

M. SITE PRE-DEPARTURE VERIFICATION

1. All applied energy source lock out devices removed
2. All controls and components in AUTO/REMOTE
3. All GENSET breakers ON/CLOSED (except power operated paralleling breakers)
4. Battery Charger operational/ breaker ON
5. Component heaters enabled/ breaker ON
6. Site Cleanup

**NPower**

PLANNED MAINTENANCE CHECKLIST

Full Service

24 Hour Service
800-642-0085DATE OF SERVICE _____
FIELD AWARE JOB NUMBER _____
UNIT HOURS _____

PASS	N/A	Needs Attn
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A. PRE-OPERATIONAL CHECKS

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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B. BATTERIES AND BATTERY CHARGER

INSTALL DATE _____

Float volts _____ Current _____

Record highest and lowest specific gravity measured

High _____ Low _____

Battery load test

TEST CCA _____ Ambient Temperature _____

Battery 1: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 2: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 3: Float Volts _____ Hold Volts _____ Pass/ Fail _____

Battery 4: Float Volts _____ Hold Volts _____ Pass/ Fail _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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C. ENGINE COOLING SYSTEM

LAST COOLANT FILL DATE _____

Jacket water temp _____ Deg F Cooling System Pressure _____ PSI

Coolant properties

Freeze Point _____ DCA Concentration _____

PH Level _____ Sulfates _____ Chlorides _____ Appearance _____

LTA coolant

Freeze Point _____ PH Level _____ Appearance _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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D. GENSET CONTROLS AND ACCESSORIES

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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E. MAIN ALTERNATOR

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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F. FUEL SYSTEM

Check main tank fuel level _____ Secondary main tank level _____

Check day tank fuel level _____

Check fuel pressure _____ Running _____ Loaded _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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G. INTAKE AND EXHAUST SYSTEMS

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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H. ENGINE AND LUBRICATION SYSTEM



Full Service

I. GENERATOR OPERATIONS

J. LUBRICATION OIL AND FILTRATION SERVICE

K. TRANSFER SWITCH/ SWITCHGEAR

Measure and record utility/ source one voltage _____

L. SYSTEM OPERATIONAL TESTS

Genset test without load, load test not permitted by: _____

Record engine and load data.

Oil Pressure _____	Oil Temperature _____	Coolant Temp _____
Battery Voltage _____	Engine Speed _____	Exhaust Temp _____
Coolant Press _____	Blowby Flow _____	LTA Temp _____
Genset Voltage: _____	Genset Freq/Hz _____	Load PF _____
A _____	B _____	C _____
Current:		
A _____	B _____	C _____
Load KW _____	Load KVA _____	Load KVAR _____
Duration of system test _____	Minutes _____	

M. SITE PRE-DEPARTURE VERIFICATION

Comments:

**Full Service**

Below is the scope of work performed during the above planned maintenance checklist. Any additional repairs, parts, or service which are required will be brought to the attention of the owner. Repairs will only be made after proper authorization from the owner is given to Cummins NPower, LLC. Any additional repairs, maintenance or service performed by Cummins NPower, LLC for a Planned Maintenance Agreement holder will be at Cummins NPower LLC labor rates.

A. PRE-OPERATIONAL CHECKS

1. All equipment automated, no alarms or faults on controls
2. Check fluid levels and observe for leaks. Oil, Fuel and Coolant
3. Verify battery chargers, component heaters and accessories are operational
4. Safety Audit, Lock Out/ Tag Out Procedures Followed, Safe Service Operations

B. BATTERIES AND BATTERY CHARGER

1. Check battery charger functions and record voltage and current
2. Cable connections, termination cleanliness and security
3. Check electrolyte level, vent caps and specific gravity of all cells in the starting battery system
- 3.a Record highest and lowest specific gravity measured.
4. Perform Battery load test on all starting batteries and record cca, ambient temperature, float volts, hold volts, and if the battery passed or failed testing.

C. ENGINE COOLING SYSTEM

1. Inspect all hoses and clamps for leaks and condition
2. Inspect radiator cap and filler neck condition
3. Inspect drive belts, observe alignment and deflection
4. Confirm proper coolant heater operation and record jacket water temperature
5. Verify Coolant properties and record the freeze point, DCA concentration, PH level, Sulfates, Chlorides, and appearance.
6. Inspect radiator surfaces, shrouds and barriers for obstruction, build up and mechanical damages
7. Verify LTA coolant properties and record the freeze point, PH level, and appearance (if applicable)
8. Optional coolant sampling

D. GENSET CONTROLS AND ACCESSORIES

1. Check all engine mounted wiring, senders and devices
2. Check all control mounted components and wiring
3. Check all connecting plugs
4. Check all accessory components and wiring
5. Function test lights and indicators

E. MAIN ALTERNATOR

1. Remove covers and inspect terminals, wiring and components
2. Visually inspect main rotor and stator
3. Visually inspect exciter components and PMG (where equipped)
4. Manually operate generator main breaker(s) open and closed

F. FUEL SYSTEM

1. Check main and secondary (if applicable) tank fuel and record levels
2. Check day tank fuel and record level (if applicable)
3. Check daytank controls and pumps. Test operate daytank controls where available (if applicable)
4. Check all fuel hose, clamps, pipes, components and fittings
5. Check fuel pressure and record readings running and loaded
6. Check governor linkage (if applicable)

7. Water in Fuel Test - Sub-base, day tanks or as noted on agreement

8. Rupture/ Containment Basin Inspection (if applicable)

G. INTAKE AND EXHAUST SYSTEMS

1. Check air cleaner element
2. Check intake system
3. Check exhaust system and raincap
4. Check louver operations (if applicable)

H. ENGINE AND LUBRICATION SYSTEM

1. Check lubrication system
2. Check crankcase ventilation system
3. Check spark ignited ignition system (if applicable)

I. GENERATOR OPERATIONS

1. Start and observe generator and equipment operations
2. Verify engine and generator safeties as applicable

J. LUBRICATION OIL AND FILTRATION SERVICE

1. Change lube oil
2. Change lube oil filters, apply date and run hours to filter canister
3. Change fuel filters, apply date and run hours to filter canister
4. Drain sediment from coolant heater where equipped
5. Change coolant filters as equipped, apply date, freeze point and dca concentration to canister
6. Pressure test cooling system and record PSI readings
7. Check fan, water pump, drives and pulleys
8. Grease serviceable bearings
9. Post Lube service operation of Genset unloaded
10. Oil sample for laboratory analysis when recommended"
11. Change crankcase ventilation filter (if applicable)

K. TRANSFER SWITCH/ SWITCHGEAR

1. Inspect all power and control wiring
2. Inspect switch mechanism and enclosure
3. Inspect controls and time delay settings
4. Check exercise clock
5. Verify remote start control operation
6. Measure and record utility/ source one voltage

L. SYSTEM OPERATIONAL TESTS

1. Genset test with or without load, if not allowed document decision maker
2. During test without load record engine oil pressure, oil temperature, coolant temperature, battery voltage, engine speed, exhaust temperature, coolant pressure, blowby flow, LTA temperature. Also record generator voltage on all phases, frequency, current on all phases, load PF, load KW, Load KVA, and Load KVAR.
3. Record duration of system test in minutes

M. SITE PRE-DEPARTURE VERIFICATION

1. All applied energy source lock out devices removed
2. All controls and components in AUTO/REMOTE
3. All GENSET breakers ON/CLOSED (except power operated paralleling breakers)
4. Battery Charger operational/ breaker ON
5. Component heaters enabled/ breaker ON
6. Site Cleanup